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Appl. No. 10/511,372
Amendment and/or Response
Reply to Office Action of October 6, 2006

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Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Original) A plasma display panel equipped with a front plate (1) which has a glass plate (3) on which a dielectric layer (4) and a protective layer (5) are deposited, with a carrier plate (2) covered by a segmented fluorescent layer (9) which contains red-emitting color segments of a red-emitting fluorescent substance, blue-emitting color segments of a blue-emitting fluorescent substance and green-emitting color segments of a green-emitting Tb³⁺-activated fluorescent substance, has a rib structure (12) which divides the space between front plate (1) and carrier plate (2) into plasma cells which are gas-filled, with one or more electrode arrays (6, 7, 10) on the front plate (1) and the carrier plate (2) for generating silent electrical discharges in the plasma cells and has a green color filter layer (14) between the fluorescent layer (9) of a green-emitting color segment and the carrier plate (2).
2. (Original) A plasma display panel as claimed in claim 1, characterized in that the green color filter layer (14) contains Pr³⁺-containing materials.
3. (Currently Amended) A plasma display panel as claimed in claim 2, characterized in that Pr³⁺-containing materials are selected from the group PrPO₄, [Pr(PO₃)₂]_xPrF₃, PrOCl, PrOF, PrOBr, Pr₃Al₅O₁₂, PrBO₃, Pr₂SiO₅, Pr₂Si₂O₇ and PrB₃O₆.
4. (Original) A plasma display panel as claimed in claim 1, characterized in that the green Tb³⁺-activated fluorescent substance is selected from the group (Y_xGd_{1-x})BO₃:Tb_y (0 ≤ x ≤ 1, 0 ≤ y ≤ 1), LaPO₄:Tb, (Y_xGd_{1-x-y})₃Al₅O₁₂:Tb_y (0 ≤ x ≤ 1, 0 ≤ y ≤ 1),

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CeMgAl₁₁O₁₉:Tb, GdMgB₅O₁₀:Ce,Tb, (Y_xGd_{1-x-y})₂SiO₅:Tb_y (0 ≤ x ≤ 1, 0 ≤ y ≤ 1),
(In_xGd_{1-x-y})BO₃:Tb_y (0 ≤ x ≤ 1, 0 ≤ y ≤ 1), (Y_{1-x-y}Gd_x)₂O₂S:Tb_y (0 ≤ x ≤ 1, 0 ≤ y ≤ 1),
LaOBr:Tb, LaOCl:Tb and LaPO₄:Ce,Tb.